Title (en)

RAM AIR TURBINE GOVERNOR SPRING POSITIONING

Title (de)

STAULUFTTURBINENREGLERFEDERPOSITIONIERUNG

Title (fr)

POSITIONNEMENT DE RESSORT DE RÉGULATEUR DE TURBINE À AIR DYNAMIQUE

Publication

EP 3418203 B1 20220112 (EN)

Application

EP 18178827 A 20180620

Priority

US 201715627744 A 20170620

Abstract (en)

[origin: EP3418203A1] A ram air turbine has turbine blades (18) connected to rotate a transmission shaft (26). The transmission shaft is connected to drive a first gear which is engaged to drive a second gear. The second gear is connected to rotate an output shaft extending through a strut (22) away from the transmission shaft. A governor arrangement is configured to change a pitch angle of the blades in response to speed, and includes counterweights (29) acting on a spring (38) in the governor arrangement. The governor spring is positioned on an opposed side of the strut relative to the turbine.

IPC 8 full level

B64D 41/00 (2006.01); **F03D 9/32** (2016.01)

CPC (source: EP US)

B64C 11/34 (2013.01 - US); **B64D 41/007** (2013.01 - EP US); **F01D 7/02** (2013.01 - US); **F02C 7/32** (2013.01 - US); **F03D 7/0224** (2013.01 - EP US); **F03D 7/041** (2013.01 - EP US); F05B 2220/10 (2013.01 - EP US); F05B 2220/31 (2013.01 - EP US); Y02E 10/72 (2013.01 - EP); Y02T 50/40 (2013.01 - EP)

Citation (examination)

US 2550229 A 19510424 - COTTON ROBERT B

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3418203 A1 20181226; **EP 3418203 B1 20220112**; US 10738761 B2 20200811; US 2018363626 A1 20181220

DOCDB simple family (application)

EP 18178827 A 20180620; US 201715627744 A 20170620